

Pneumatic quarter turn actuator DFPD

Constructional design	Rack and pinion
Function	Double and single acting
Torque range	10 Nm to 480 Nm
Sizes	10, 20, 40, 80, 120, 240, 300, 480
Single acting	Configurable in 0,5 bar steps
Torque range	10 Nm to 480 Nm
Swivel angle	90° 180° (option for sizes 40, 120, 240 and 480)
End-position adjusting range at 0°	-5° ...+5°
End-position adjusting range at 90°	-5° ...+5°
Closing direction	Configurable Left/Right
Labelling	Laser mark (Not for the Epoxy coating)
Fitting connection conforms to standard	ISO 5211
Valve connection conforms to standard	VDI/VDE 3845 (NAMUR), configurable in G or NPT thread
Operating pressure	2 ... 8 bar
Operating medium	compressed air according ISO 8573-1:2010 [7:4:4] for standard [7:1:4] for low temperature version [7:3:4] for high temperature version
Ambient temperature	-20 ... 80 °C (standard) -50 ... 60 °C (option T6 for low temperature) 0 ... 150°C (option T4 for high temperature)
Material conform	to RoHS
End cap material	Aluminium, painted (EN AC 46100)
Piston material	Aluminium (EN AC 46100)
Housing material	Aluminium, anodized
Screw material	Stainless steel (1.4301)
Shaft material	Steel nickel plated (1.0736) AISI 303 (1.4305) (option high corrosion resistance)
Coating	Epoxy coated as option
ATEX category Gas /Dust	II 2GD
Explosion-proof ambient temperature	-20°C ≤ Ta ≤ +60°C (standard) -50°C ≤ Ta ≤ +60°C (for low temperature) 0°C ≤ Ta ≤ +150°C (for high temperature)
CE marking	To EU Explosion Protection Directive (ATEX) according IEC 61508
Safety Integrity Level (SIL)	SIL 3 Low Demand mode